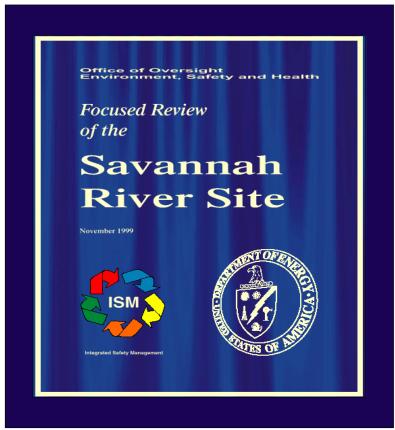
# **WSRC**

# Hazard Analysis At the Activity Level



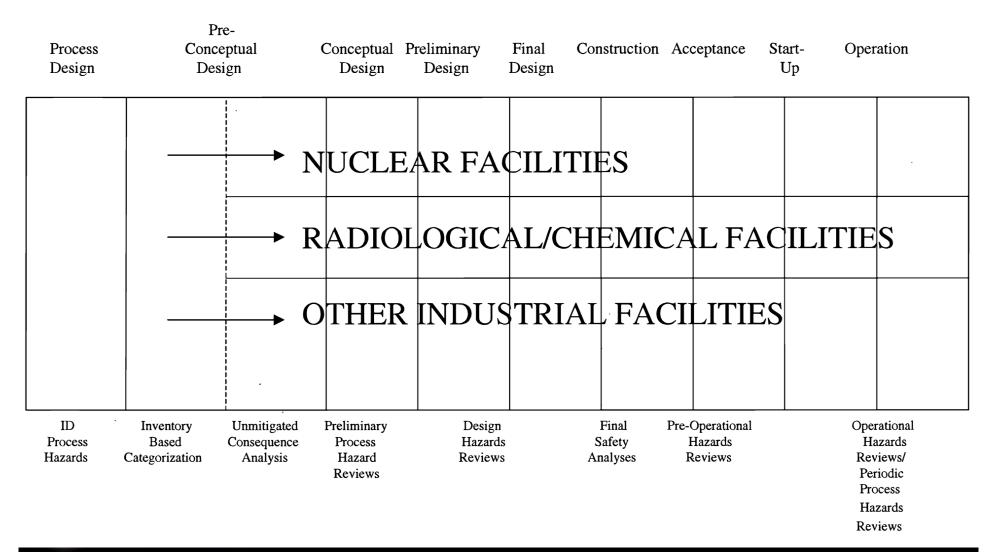
## **Background -DOE Site Review (7-99)**



- ➤ Finding lack of integration and linkage between the various hazard analysis elements
- > Strong Individual processes, but . . .
  - Over 100 procedures identified that contain hazards analysis content
- > Team formed to integrate Processes



#### **LEVEL I OF HAZGATE**



### Consolidated Hazards Analysis Process

#### (CHAP)

- Integrate/Streamline Hazard Analyses In Hazgate
- Integrate Hazard Analysis With Other Functions
  - Control Selection
  - Functional Equipment Classification
  - Design
  - Standards Identification
- Schedule
  - 2000
  - 2001
  - 2002

**HAZGATE** 

Develop CHAP

Institutionalize CHAP

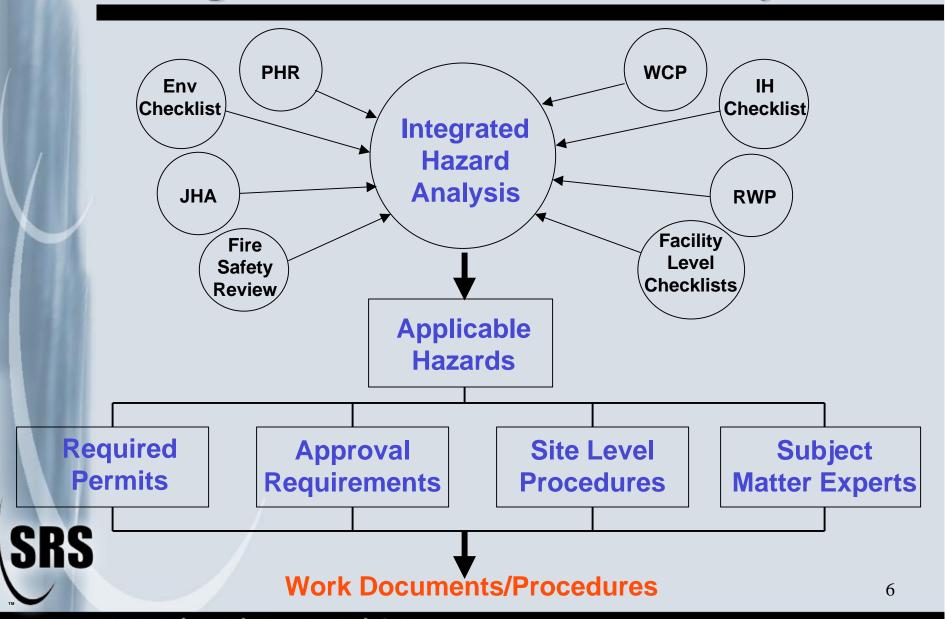


## Hazard Analysis at the Activity Level

- > The critical piece for worker protection
  - ☐ SAR protects the public
  - ☐ JHA protects the worker
- > Need a comprehensive process
  - ☐ Incorporates all subject matters experts
  - ☐ To assist work planners, but not for them alone
- > Need a process that workers have confidence in
  - ☐ They should be involved
- > Need a process that is efficient



## Integrated Vision for the Activity Level



#### **Hanford Software**

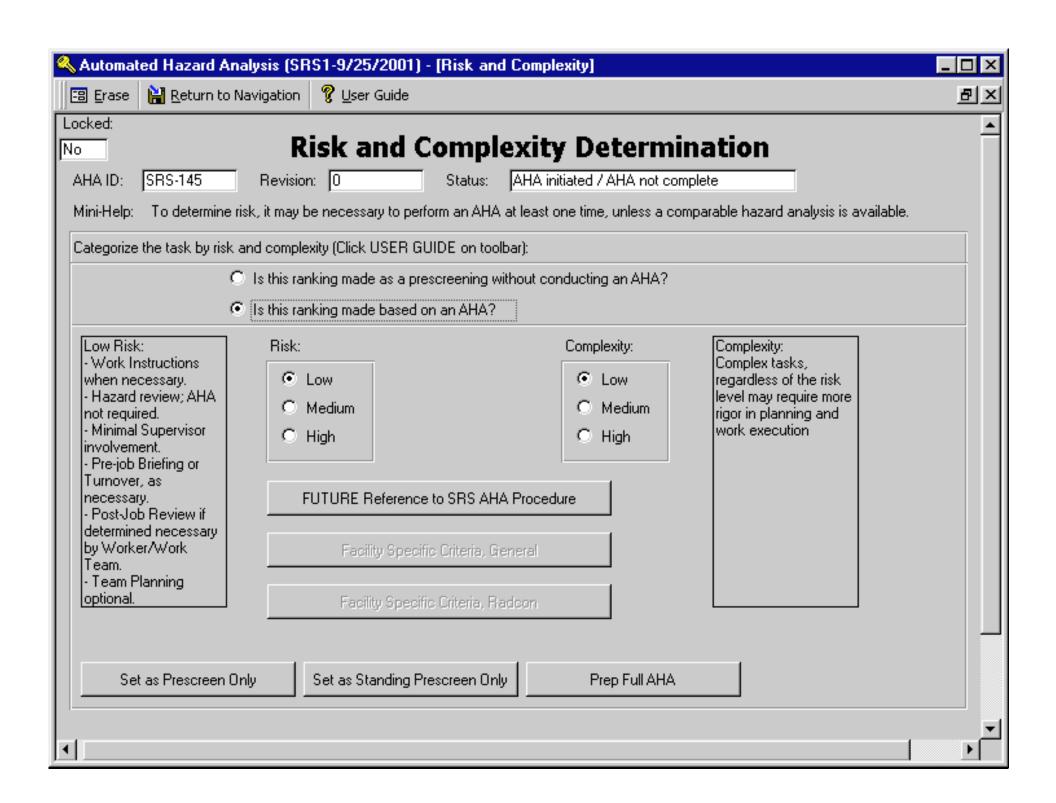
#### > Automated Hazard Analysis (AHA)

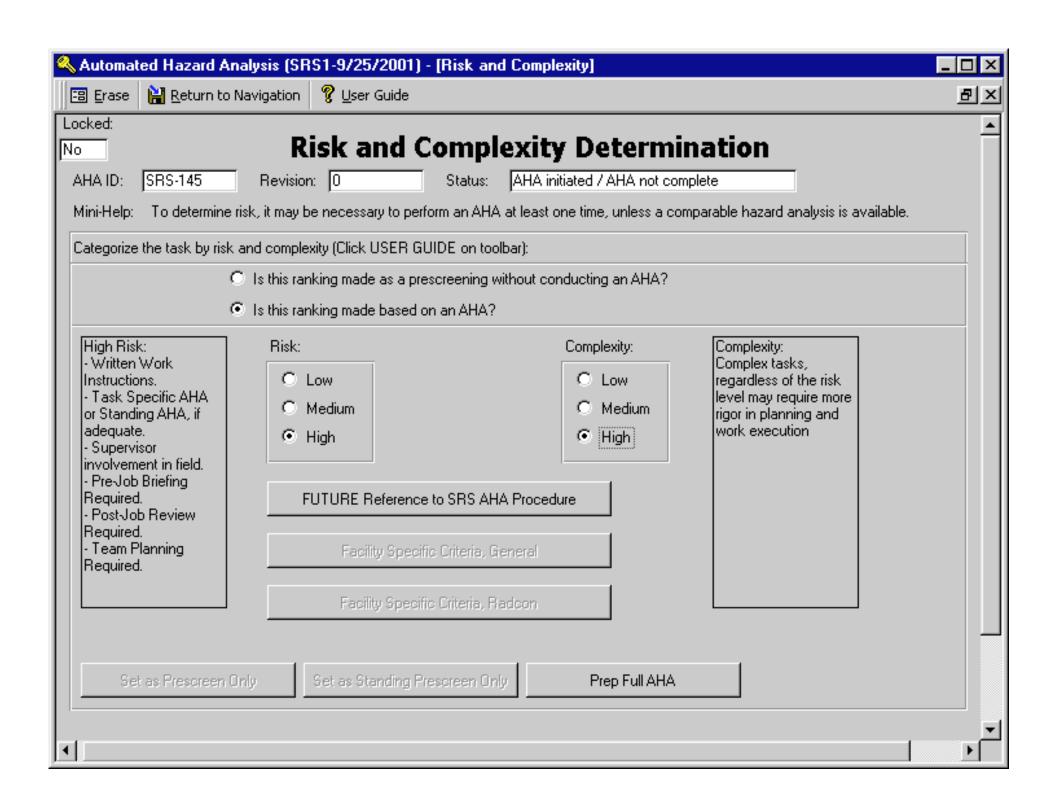
- □ Computer-based product designed to prompt work planners and professional through a series of questions to identify and analyze the hazards of the activity
- ☐ The Hanford Software was reviewed by a team of Subject Matter Experts to tailor the information specific to SRS programs

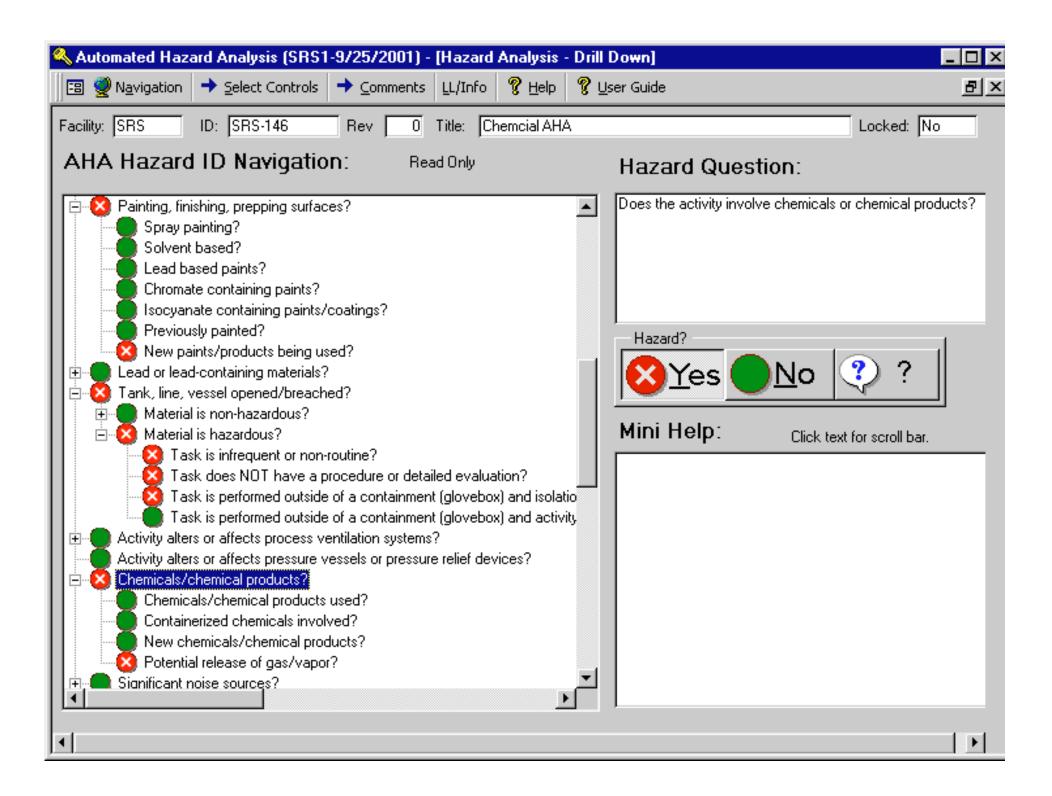
#### > Benefits

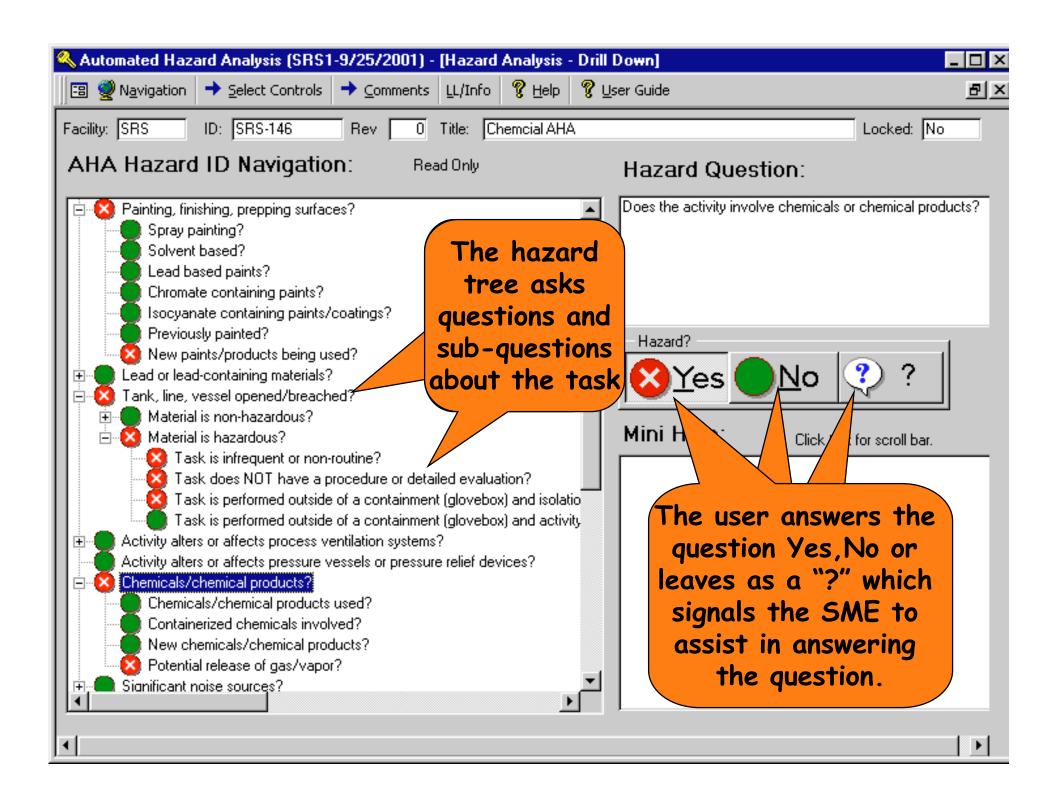
- ☐ Significant development costs -- 30,000+ man-hours -- could be avoided
- Consistent set of standard hazards assessment questions generated by SMEs - used site-wide
  - > Can be readily tailored to individual facilities
- Provide electronic links to other systems, automatic notification to reviewers, and rapid status

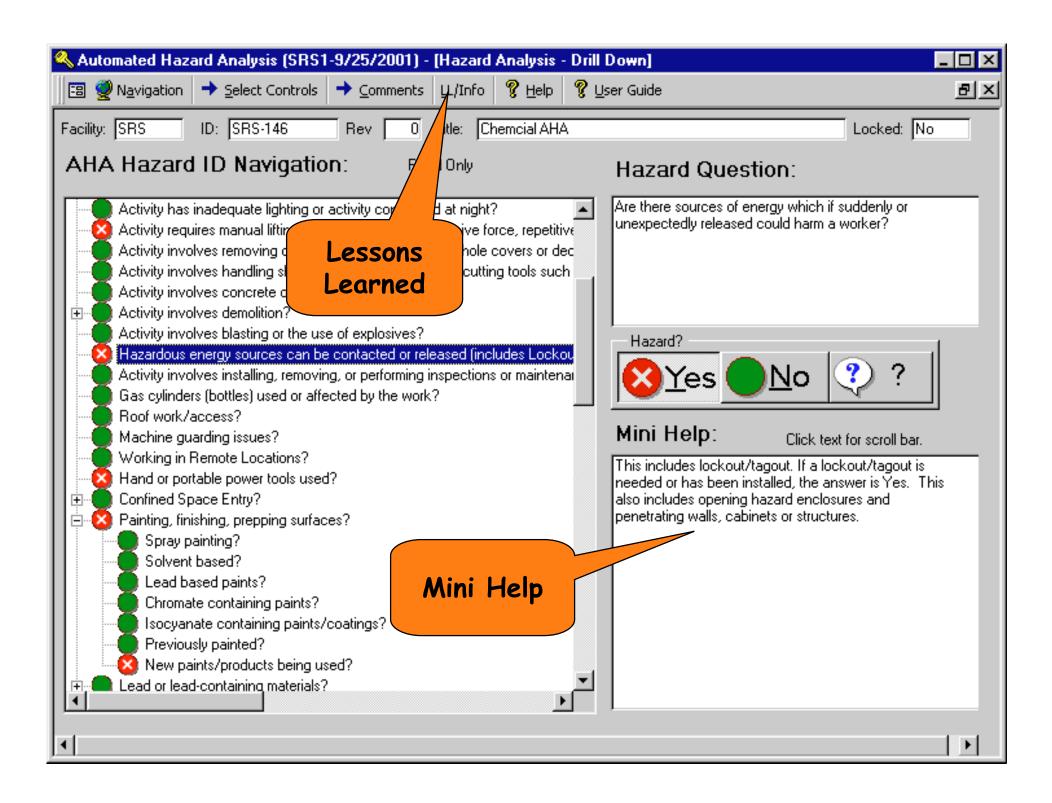


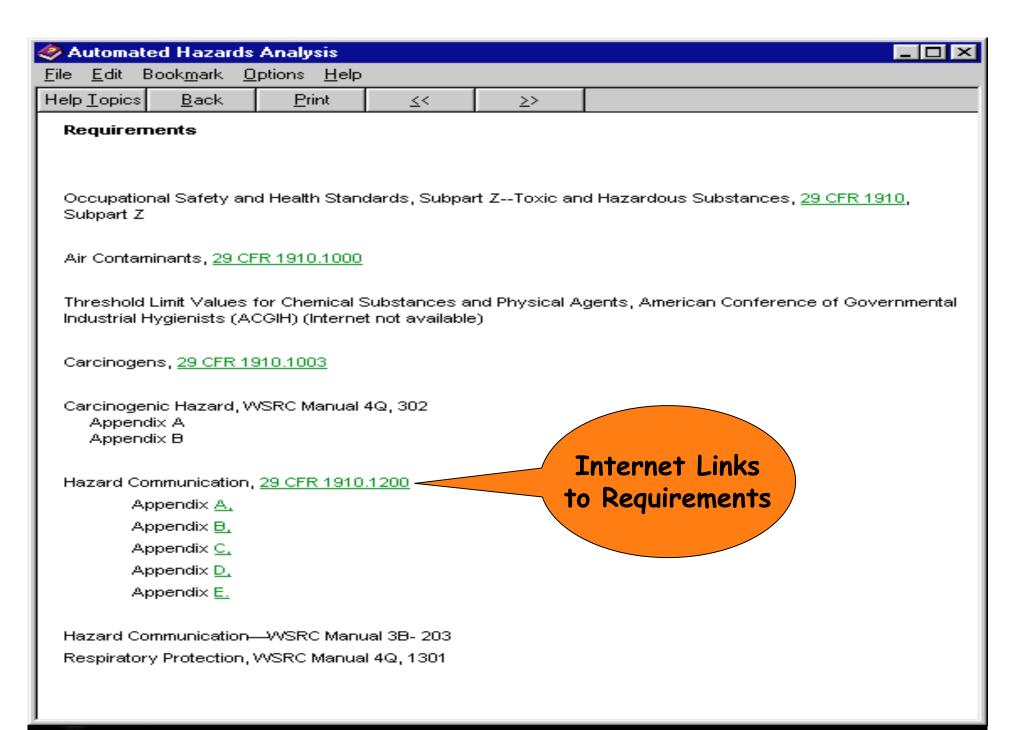


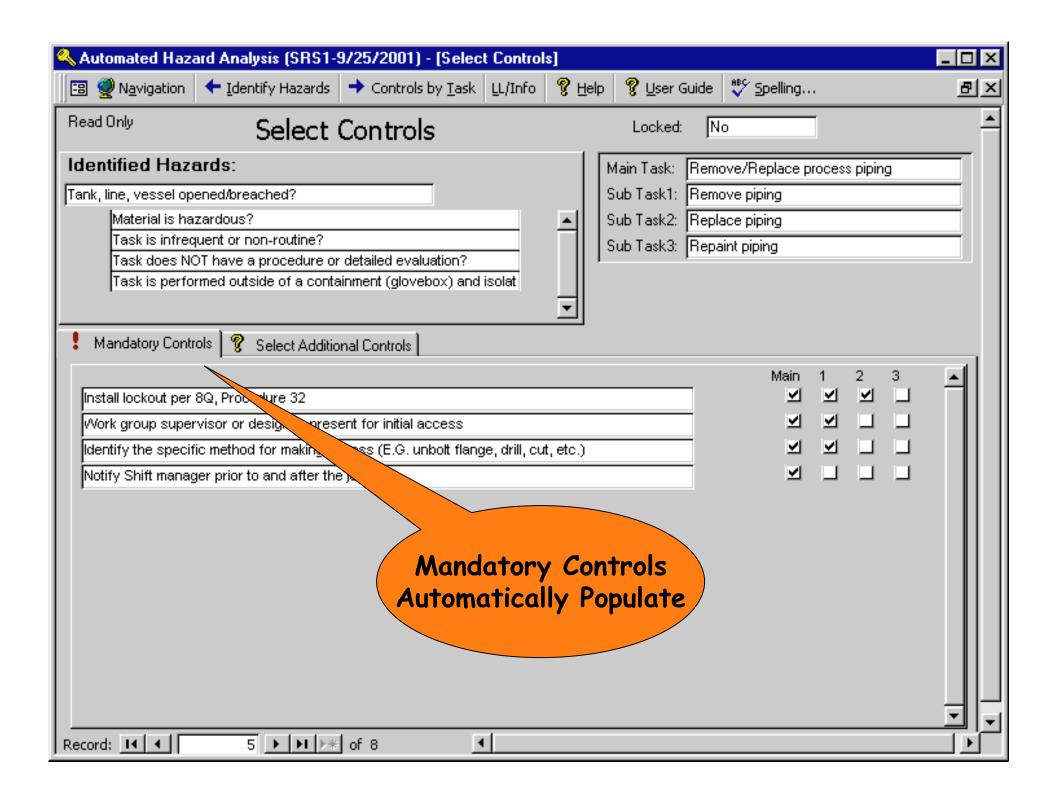


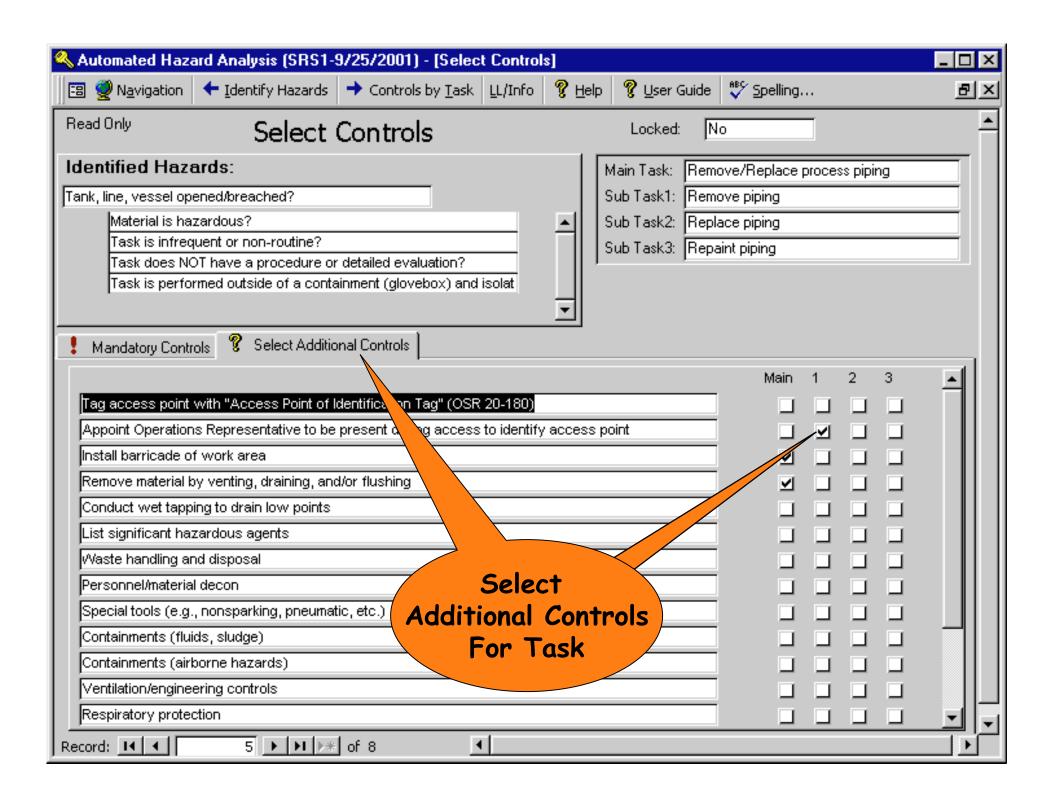


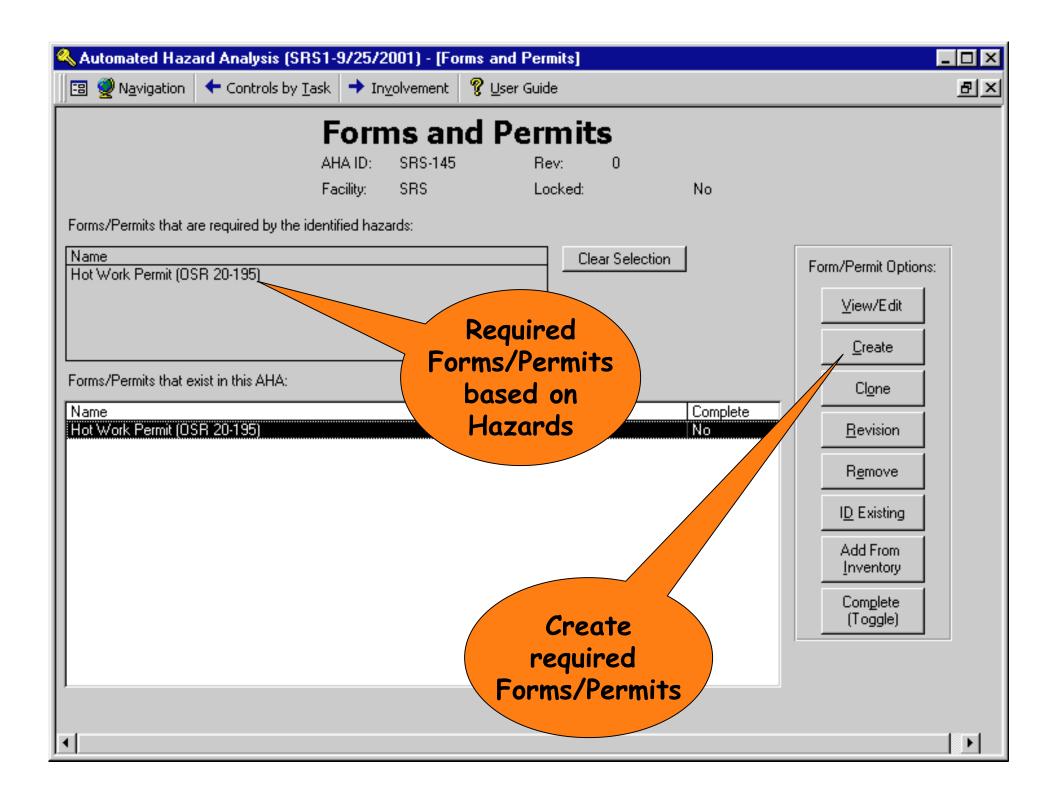


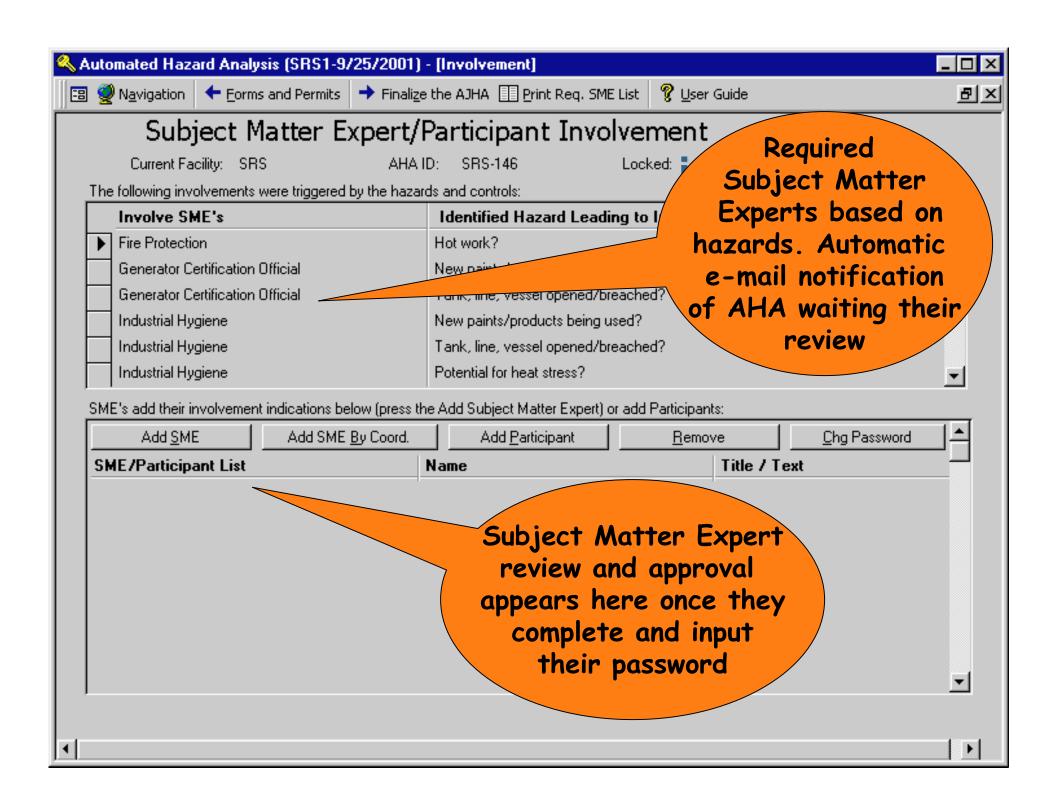


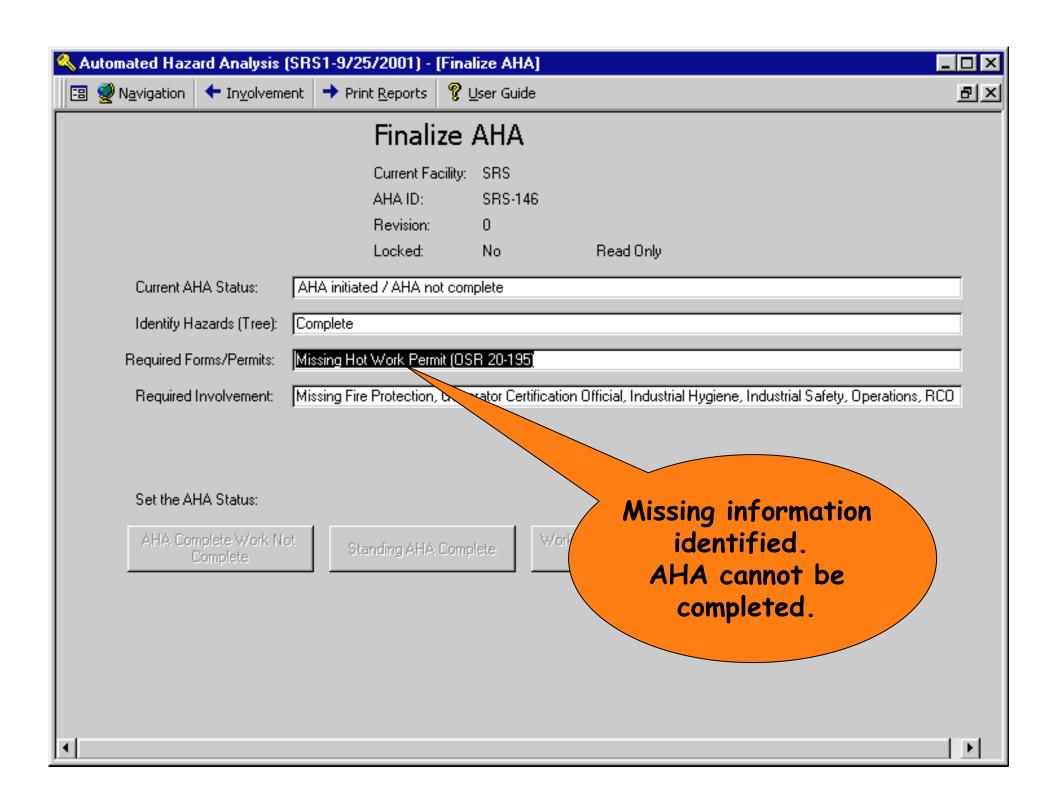


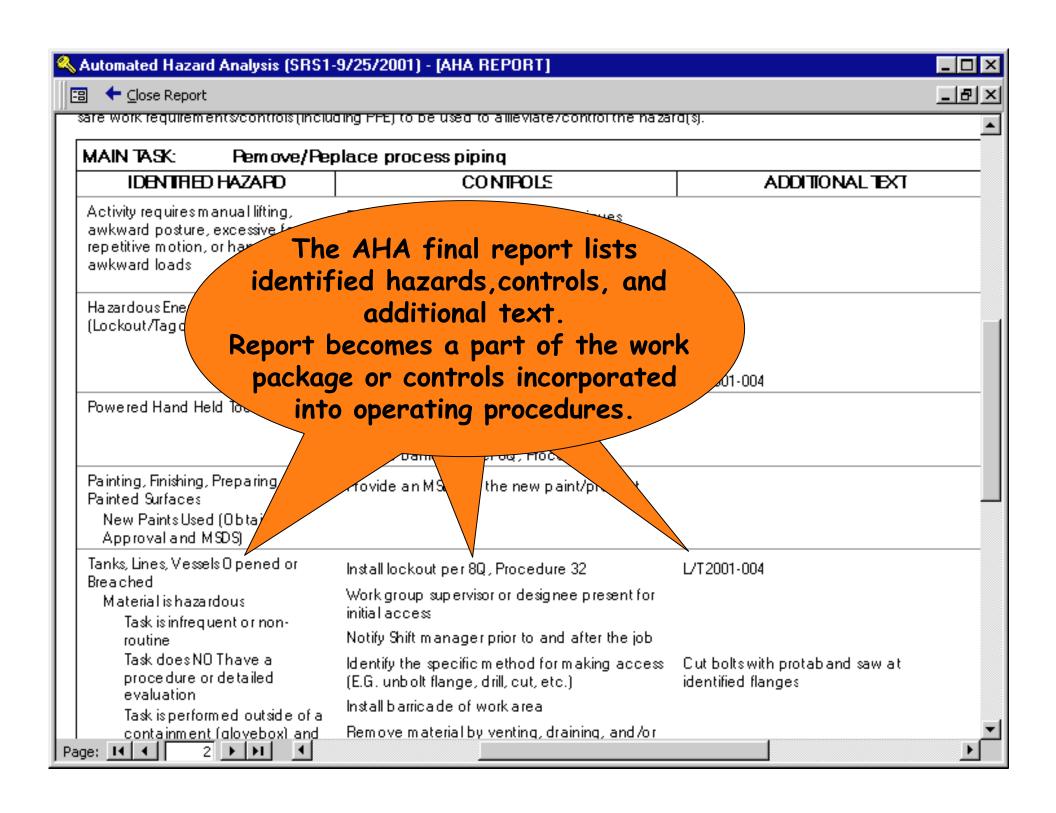


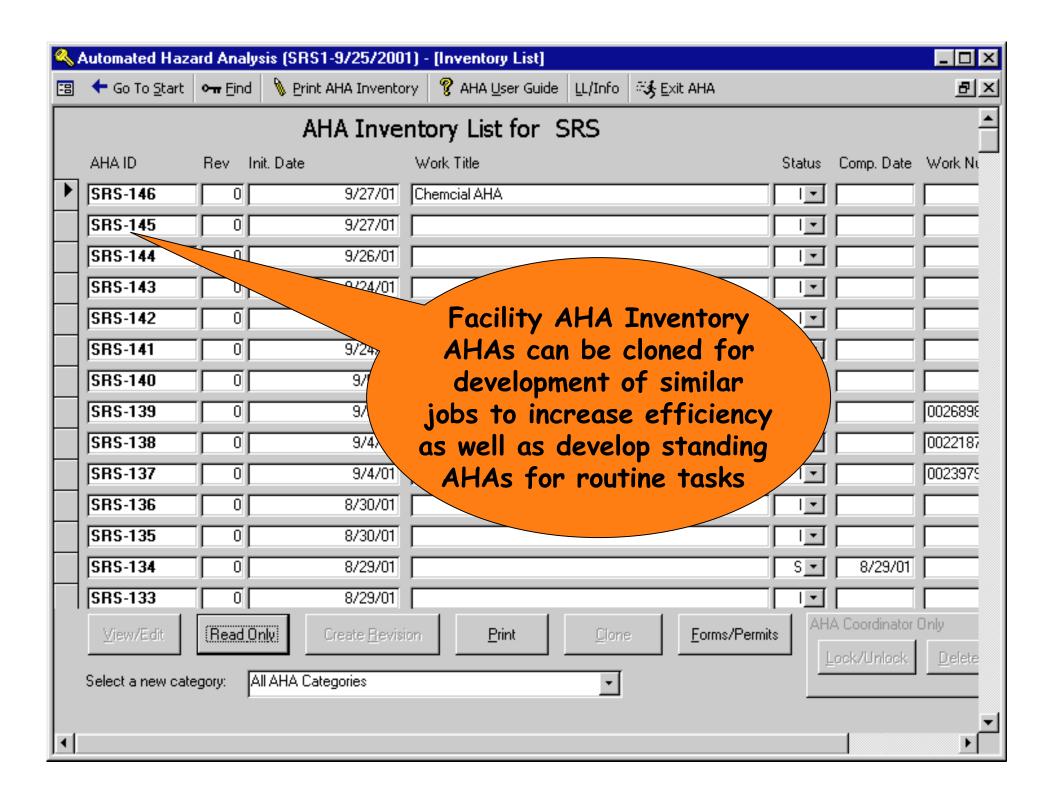












#### **Path Forward - Milestones**

- Aggressive schedule being pursued to complete development
  - ☐ Hanford product modified for SRS processes/procedures by 10/01
  - □ Desktop review of AHA product with selected work planners in 10/01
- > Pilot in selected facilities beginning in 12/01
  - ☐ High Hazard Operations Facility High Level Waste application
  - Low Hazards Operations Facility Low-level waste application
  - □ R&D Facility Savannah River Technology Center
- Detailed roll-out plan developed based on pilot experience
  - ☐ Target initial implementation in late FY02

